TEJUS
CONSULTANTS

No. TC / BBMP / RI / RR-PMC / 348 / 17 – 18

Date: 30-07-2018

To
The Executive Engineer
Rajarajeshwari Nagar Projects Division
Bruhat Bangalore Mahanagara Palike
Bangalore.

Dear Sir

Sub: **Third and RA bill for the work of Special Repair to School Building and Gymnasium Building and with Gym Equipments at Siddarta Nagar in Ward mo 16, Providing Play Equipments (out Door Gym) in Jalahaali Govt School in Ward no 16 and Providing Play Equipments (out Door Gym) in JP Park inside in Ward no 17.**

In reference to the above subject, this is to bring to your kind notice that we have scrutinized the **Third and RA bill** submitted by M/s. K Damodar & Co., towards the above said work and arrived at an amount of **Rs. 52,19,978.00/- (Rupees Fifty Two Lakh Nineteen Thousand Nine Hundred Seventy Eight only)**. The work has been completed satisfactorily.

This is for your kind information.

Thank you and assuring you the best of our Services at all the times.

For Tejus Consultants
(Nameeth N)

Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bangaluru Mahanagara Palike

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Special Repair to School Building and Gymnasium Building and with Gym Equipments at Siddarta Nagar in Ward mo 16, Providing Play Equipments (out Door Gym) in Jalahaali Govt School in Ward no 16 and Providing Play Equipments (out Door Gym) in JP Park inside in Ward no 17.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	M/s. K Damodar & Co.
Total Weight in gm:	3000

SIEVE ANALYSIS

Type of Material	40 mm down size			Proposed Use	PCC
Sample Location	Plant			Date of Sampling	06/06/2018
				Date of Testing	06/06/2018
IS Sieve Size	Weight Retained in gm	Cum. Weight Retained in gm	Cumulative Weight Retained in %	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA-2007) % of Passing For Graded Aggregate of Nominal Size
80.00mm	0	0	0.00	100.00	100
63.00mm	0	0	0.00	100.00	-
40.00mm	99	99	3.30	96.70	95-100
20.00mm	1350	1449	48.30	51.70	30-70
10.00mm	1136	2585	86.17	13.83	10-35
4.75mm	300	2885	96.17	3.83	0-5
Pan	115	3000	100.00	0.00	

Remarks : Satisfactory / Not Satisfactory

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Consultant's Representative

Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Special Repair to School Building and Gymnasium Building and with Gym Equipments at Siddarta Nagar in Ward mo 16, Providing Play Equipments (out Door Gym) in Jalahaali Govt School in Ward no 16 and Providing Play Equipments (out Door Gym) in JP Park inside in Ward no 17.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	M/s. K Damodar & Co.
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80.00mm	0	0	0.00	100.00	100
63.00mm	0	0	0.00	100.00	-
40.00mm	93	93	3.10	96.90	95-100
20.00mm	1350	1443	48.10	51.90	30-70
10.00mm	1125	2568	85.60	14.40	10-35
4.75mm	350	2918	97.27	2.73	0-5
Pan	82	3000	100.00	0.00	

Remarks : Satisfactory / Not Satisfactory

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Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

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Test Report on Cement

Project	Special Repair to School Building and Gymnasium Building and with Gym Equipments at Siddarta Nagar in Ward mo 16, Providing Play Equipments (out Door Gym) in Jalahaali Govt School in Ward no 16 and Providing Play Equipments (out Door Gym) in JP Park inside in Ward no 17.
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s. K Damodar & Co.
Sample ID	Cement
Date of Sample Tested	06/06/18
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	39 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	365 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	5mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	27.00%	

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Bruhat Bengaluru Mahanagara Palike

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TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Special Repair to School Building and Gymnasium Building and with Gym Equipments at Siddarta Nagar in Ward mo 16, Providing Play Equipments (out Door Gym) in Jalahaali Govt School in Ward no 16 and Providing Play Equipments (out Door Gym) in JP Park inside in Ward no 17.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	M/s. K Damodar & Co.

SPECIFIC GRAVITY AND WATER ABSORPTION
FINE AGGREGATE (IS-2386-PART-3)

Type of Material	sand/M sand		Proposed Use		Drain
Location/Source	At site/Plant		Date of Sampling		06/06/2018
Period of Soaking	24 hours		Date of Testing		06/06/2018

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	Average
A	Weight of sturated surface dry sample gm.	652	650	651	
B	Weight of oven - dry sample gm.	643	641	640	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1686	1685	1686	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.668	2.671	2.667	**2.669**
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.400	1.404	1.719	**1.507**

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TEST REPORT

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Project	Special Repair to School Building and Gymnasium Building and with Gym Equipments at Siddarta Nagar in Ward mo 16, Providing Play Equipments (out Door Gym) in Jalahaali Govt School in Ward no 16 and Providing Play Equipments (out Door Gym) in JP Park inside in Ward no 17.
Consultants	Tejus Consultants, Bangalore
Contractor	M/s. K Damodar & Co.

SIEVE ANALYSIS

Total Weight:	3000 gms				
Type of Material	**Sand/M sand**		**Proposed Use**	Drain	
Sample Location	At site/Plant		**Date of Sampling**	18/06/2018	
			Date of Testing	18/06/2018	
IS Sieve Size	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing (Zone-II)**
10.00 mm	0	0	0	100.00	**100**
4.75 mm	212	212	7.07	92.93	**90 - 100**
2.36 mm	335	547	18.23	81.77	**75 - 100**
1.18 mm	548	1095	36.50	63.50	**55 - 90**
0.600 mm	538	1633	54.43	45.57	**35 -59**
0.300 mm	578	2211	73.70	26.30	**8-30**
0.150 mm	682	2893	96.43	3.57	**0 - 10**
Pan	107	3000			**-**

Remarks : Satisfactory / Not Satisfactory

Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
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